

From: Separation Science <noreply@sepscience.com>
Sent: Wednesday, February 13, 2013 1:04 PM
To: Hanchett, James (DPH)
Subject: Today in Separation Science - Latest Issue of HPLC Solutions

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Issue 107 **Column Volume for Superficially Porous Particles**

A reader recently asked how to determine the column volume of a column packed with superficially porous particles. You'll recall that these are a newer type of HPLC packing material, variously referred to as superficially porous, core-shell, fused-core, shell-type, pellicular, or some other name to describe the fact that the particle comprises a solid center (core) covered by a porous layer of silica, where the chromatography takes place.

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Issue 106 **Too Much Ion Pairing Reagent**

A reader asks, "I am using a shared equipment where somebody used tetrabutyl ammonium (TBA) as an ion pair in their mobile phase for chromatography. It looks to me like the ion pairing reagent was not washed completely from the column, even though I flushed repeatedly with methanol (MeOH). Is there a way I can get rid of it?"

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Issue 105 **Flow Splitters**

A reader asks, "I would like to split HPLC column effluent between an evaporative light scattering detector (ELSD) and a fraction collector. What is the best way of doing this, particularly as we may want a biased split, i.e., 10% to detector and 90% to fraction collector?"

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 Frederick House | Princes Court | Beam Heath Way | Nantwich | Cheshire CW5 6PQ | United Kingdom
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